# **Reproductive Health Services in Montgomery County, Maryland**

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## **Submitted by:**

The Montgomery County Reproductive Health, Education and Advocacy Work Group with the Jacobs Institute of Women's Health at The George Washington University School of Public Health and Health Services

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<sup>&</sup>lt;sup>1</sup> Montgomery County News Release, June 29, 2009

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## I. Introduction and Background

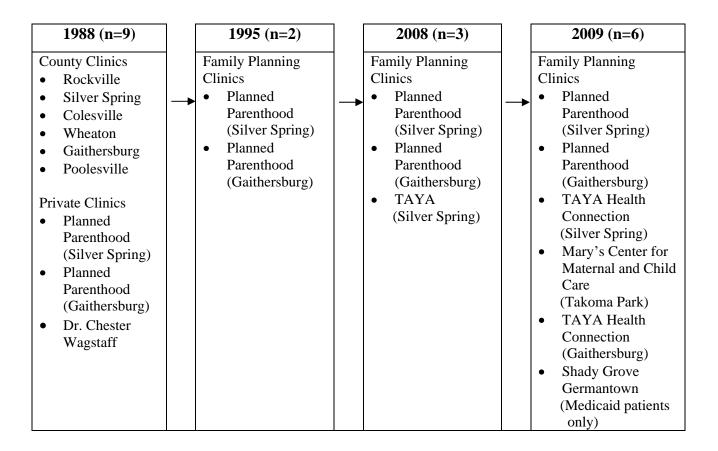
The following report was a collaborative effort of the Montgomery County Reproductive Health, Education and Advocacy Work Group, and was led and implemented by the Jacobs Institute of Women's Health at The George Washington University School of Public Health and Health Services. This report describes the current landscape of reproductive health services in Montgomery County Maryland and provides insight into the strengths and needs of service delivery sites, as well as perceptions of barriers women face when accessing or trying to access services. This assessment utilized existing County level data from the Guttmacher Institute and results from a quantitative web based survey of family planning clinics in Montgomery County Maryland.

In 1988, Montgomery County Maryland was home to six county and three private family planning clinics. Upon a recommendation from the Montgomery County Department of Health eight years later in 1995, the Montgomery County Executive made a decision to close down all of its County family planning clinics and to ask one private agency with two clinic sites to be the exclusive provider of family planning services in the County.<sup>3</sup> In return, the Montgomery County Council agreed to pass through all Title X money that was previously appropriated for the County's family planning clinics to these private clinics.<sup>3</sup> A second agency was founded in 2000 without County funding to meet the considerable unmet needs in the County, creating a total of 3 low-cost family planning sites in the County until 2008. With pressure from the County Council, the available public family planning funding was more widely distributed in 2009, enabling the second non-profit agency to open an additional clinic site and a District of Columbia agency to open a site in Montgomery County. In addition, a private hospital agreed to supplement its maternity services with family planning services for women on Medicaid, so that, as shown in Table 1, there are currently six family planning clinic sites in Montgomery County, Maryland. This report will provide a basic assessment of the family planning clinics in Montgomery County to examine gaps in meeting the current needs.

<sup>&</sup>lt;sup>3</sup> Personal communication, Carol Garvey, 2009

Table 1.

Montgomery County Clinics (1988- 2009)



## II. Epidemiological Assessment: The Need

In 2006, there were approximately 201,690 women residing in Montgomery County.<sup>4</sup> Approximately 50% (107,560 women) were in need<sup>5</sup> of contraceptive services and supplies and of those over 17,000 had a family income at or below 250% of the federal poverty level. It is estimated that in 2006, over 30,000 women and teens in Montgomery County were in need of publicly supported<sup>6</sup> contraceptive services and supplies as defined by the Guttmacher Institute. (See **Table 2**)

Table 2.4

Women of Reproductive Age and Need for Contraceptive Services (2006)			
	All women aged 13-44	Women needing contraceptive services and supplies	Women in need of publicly supported contraceptive services and supplies
US Total	66,380,710	36,214,680	17,485,330
Maryland	1,285,390	695,420	258,560
Montgomery County	201,690	107,560	30,560

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<sup>&</sup>lt;sup>4</sup> Guttmacher Report, 2006

Women are defined as in need of contraceptive services and supplies if they are aged 13-44 and meet the following criteria: (1) they are sexually active; that is, they have ever had sexual intercourse; (2) they are fecund, meaning that neither they nor their partners have been contraceptively sterilized, and they do not believe they are infecund for any reason; and (3) during at least part of the year, they are neither intentionally pregnant nor trying to become pregnant.

<sup>&</sup>lt;sup>6</sup> Women are defined as in need of publicly supported contraceptive care if they meet the criteria for needing contraceptive services and supplies, plus at least one of the following: (1) they are aged 20 or older and their family income is below 250% of the federal poverty level, or (2) they are younger than 20, regardless of family income level.

As shown in Tables 3 and 4, there are significant racial/ethnic disparities with respect to need. Although White women comprise 55% of the population in Montgomery County, it is Black (25%) and Hispanic (22%) women who are proportionately most in need of publicly supported family planning services.<sup>78</sup>

Table 3.7

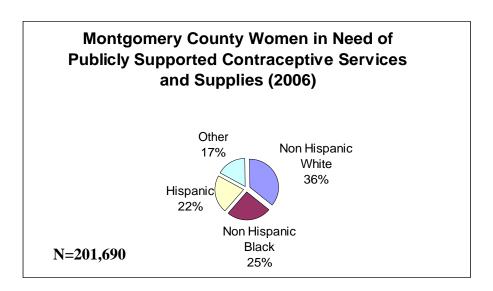
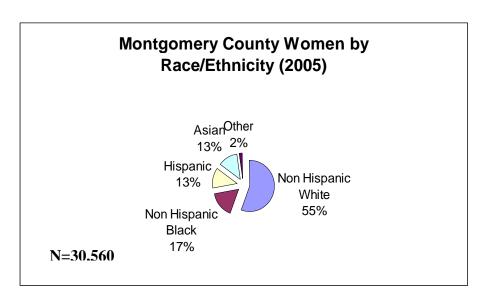


Table 4.8



<sup>&</sup>lt;sup>7</sup> Guttmacher Report, 2006

<sup>&</sup>lt;sup>8</sup> Montgomery County Commission for Women Report, 2007

#### **Unintended Pregnancy and Teen Pregnancy**

In the 1980's there was a significant increase in teenage pregnancies in the United States.<sup>9</sup> However, by 2005, the teenage pregnancy rate had decreased by 41% from its peak in 1990.<sup>10</sup> Unfortunately, recent national trends from the National Center of Health Statistics report a 5% increase from 2005 to 2007 in the birth rate for teens aged 15 to 19 years<sup>9</sup> with most of this increase having occurred in 2006. Similar to national trends, Montgomery County, Maryland has also experienced an increase in teen birth rates, particularly among young Hispanic women. In 2007, nearly 3% of all births in Montgomery County were to teenagers 18 years old or younger, and Hispanic teens were more than twice as likely to give birth as their White or African American counterparts.<sup>11</sup> Data from 2007 examining teen births by race/ethnicity in the County shows that among all women who gave birth to their first child, 3% were White teens, 4% were Black teens and 7% were Hispanic teens.<sup>11</sup> Clearly, a more in-depth understanding of the social, behavioral and cultural determinants of teen births among Hispanic girls in Montgomery County is necessary to better address their needs at both the policy and programmatic level.

#### III. Methods

The findings in this report are from a web-based survey of family planning clinics in Montgomery County and was designed and implemented by faculty and staff from The Jacobs Institute of Women's Health at The George Washington University School of Public Health and Health Services. The survey consisted of 42 multiple choice questions and 2 open-ended questions, and focused on 10 key domains: general information, demographics, accessibility, funding/insurance, communication, organizational structure, referrals and reminders, staffing/training, reporting requirements for child abuse, and barriers to providing services. (See **Table 5**.) Members from the Montgomery County Reproductive Health, Education and Advocacy Work Group reviewed and pilot tested the web-based survey before it was distributed.

<sup>&</sup>lt;sup>9</sup> National Center for Health Statistics, 2009

<sup>&</sup>lt;sup>10</sup> Guttmacher Report, 2006

<sup>&</sup>lt;sup>11</sup> Maryland Vital Statistics Administration, 2007

Table 5.

Table 5.	Web-based Survey	
Domains Measures		
General Information	Self identification of "family planning" clinic status	
General information	Services provided	
Demographics	•	
Demographics	Description of the clinic target population by age and gender  Information of out the graphen of clients control in 2007, 2008, and	
	• Information about the number of clients served in 2007, 2008, and first 6 months of 2009	
Accessibility		
Accessionity	Transportation options     Transport advertisements used	
	<ul><li>Types of advertisements used</li><li>How clients learn about services</li></ul>	
Eunding/Ingurance	Acceptance of walk-in clients  The first in the second secon	
Funding/Insurance	Types of funding sources received	
	Acceptance of clients insurance	
	Percentages of uninsured or self-pay	
· · ·	Sliding fee scale	
Communication	• Translation services	
	• Information or resources available and visible in the waiting room or	
0 1 1	patient room in other languages	
Organizational	• The usual waiting period for a family planning appointment for a	
Structure	"new" patient	
	<ul> <li>The usual waiting period for a family planning appointment for an "established" patient</li> </ul>	
	<ul> <li>Mechanisms in place to remind patients about appointments</li> </ul>	
	• Mechanisms in place to follow up with patients who missed	
	appointments	
Referrals	• Mechanisms in place for patients who need referrals for further	
	testing	
	<ul> <li>Referrals for mental health</li> </ul>	
	Referrals for intimate partner violence	
Staffing and	<ul> <li>The number of doctors, physician assistants, nurse practitioners,</li> </ul>	
Training	nurses, nursing assistants, administrative staff (Full Time	
	Equivalent)	
	After-hour provider availability	
	Perceptions of staff adequacy	
	The number of staff trained in adolescent health and development	
	The number of patient educators	
Reporting	The mandated reporter of child sexual assault/abuse	
Barriers to Providing	• Respondent's perceptions of barriers to providing family planning	
Services	services	
(open-ended	• Respondent's perceptions of barriers women/men face when trying	
questions)	to access reproductive health services	

#### IV. Results

Eleven agencies were invited to participate in a voluntary web-based survey: four non-profit family planning agencies (representing 6 clinic sites) and seven pregnancy crisis centers and/or termination clinics. Of the 11 agencies contacted, 3 (representing 5 clinic sites) completed the web-based survey: Planned Parenthood of Metropolitan Washington (combining both Silver Spring and Gaithersburg clinics), Teen and Young Adult Health Connection (Silver Spring), Teen and Young Adult Health Connection (Gaithersburg), Mary's Center for Maternal and Child Care and Birthright.<sup>12</sup>

Below, is a summary of the web-based results for the family planning clinics by domain:

#### A. General Information

Three family planning agencies representing 5 clinic sites completed the survey and 2 agencies identified themselves as a "family planning clinic". Four of the 5 clinics primarily serve Montgomery County clients and all 5 clinics accept walk in patients. All clinics provide gynecologic care as well as multiple types of contraceptive services and STD treatment. Three clinics provide prenatal care with the 2 others providing referral to prenatal care. One clinic site provides pregnancy termination.

Table 6. Types of family planning services provided by Montgomery County clinics (n=4)

Types of family planning services	# of clinics who provide services
❖ Gynecological Care	5
❖ Pre-Natal Counseling	3
❖ Pre-Natal Care	3
❖ Referrals for Pre-Natal Care	2
❖ Types of Contraceptives	
• Oral	5
NuvaRing	5
Depo-Provera	5
• IUD	5
Male condoms	5

<sup>&</sup>lt;sup>12</sup> As only partial responses were received from the crisis pregnancy center, this report contains only analyses resulting from the publicly funded family planning clinics.

Female Condoms	4
Diaphragm	4
Cervical Cap	2
Implanon	1
Emergency contraceptives	5
❖ STD testing and treatment	5
<b>❖</b> HIV testing	5
❖ Hepatitis C Testing	3
❖ Pregnancy Terminations	1
❖ Primary Care	2
❖ Pediatrics	1
❖ Intimate Partner Violence Counseling Referral	5
❖ *Other: Case Management	1
* *Other: Vaccinations	1
*Other: General Counseling	1

## **B.** Patient population Demographics

Of the 5 clinics, all serve both female and male clients, one serves clients under 12 years of age, and two provide services for homosexual and transgender individuals. All sites provide Spanish translation services and one site has language line services. Table 7 provides clinic reported data on the number of clients served between 2007 and 2009.

Table 7. Number of Montgomery County clients served between 2007 -2009 by clinic (n=4)

	2007	2008	First 6 months of 2009
Clinics 1 and 2	8824	6969	4588
Clinic 3	1550	2100	1500
Clinic 4	Not Open	~250	~250-300
Clinic 5	Not Open	Not Open	300
Total Clients	10,374	~9,319	~6,638-6,688
Served			

## C. Accessibility

As shown below, most clinic sites are available to patients via public transportation and most clinics utilize some form of marketing to reach out to patients in the County. Interestingly, only one clinic reported education and outreach as a means to publicize their services in the County.

**Table 8. Montgomery County Clinic Public Transportation Options (n=5)** 

Types of transportation	# of clinics who are public transportation accessible
Metro Train	3
Metro Bus	5
Ride On	5

Table 9. Publicity/Outreach used by Montgomery County Clinics (n=4)

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	# of clinics who provide
	publicity options
Advertisement	4
• Fliers	4
Network with other organizations	3
<ul> <li>Newspaper</li> </ul>	1
• Radio	2
Family/Friend Referral	4
School Nurses	3
Other Organizations that service the same	3
population	
Education and Outreach	2

The survey also found that the usual waiting period for a Family Planning appointment for a NEW patient was more than one day for 3 clinics and more than one week for 1 clinic. With respect to appointments for ESTABLISHED patients, 3 clinics have a waiting period of more than one day, but 1 clinic is able to see patients on the same day.

## D. Funding/Insurance

All of the clinics accept uninsured patients, and all clinics have a sliding scale payment option with \$0/free services. Three of the four clinics receive Title X funds and some clinics receive other public funds (See Tables 10 and 11)

Table 10.

Types of Funding Received by Montgomery County Clinics<sup>13</sup> (n=5)

	# of clinics who receive funding
Title X funds	3
Title XX funds	1
Other Federal funding (FQHC)	1
MOCO ( Montgomery Well- Woman)	2
<b>Montgomery Cares</b>	1
*Other: Montgomery Care for Kids	1

Table 11. Percentage Montgomery County clinic clients who are uninsured or self-pay (n=5)

	% of clients uninsured or self- pay
Clinics 1 and 2	69
Clinic 3	90
Clinic 4	85
Clinic 5	95

#### E. Reminders & Referrals

Reminders systems are an important process for all health care delivery sites and all five clinics provide clients with reminders for upcoming appointments and 3 clinics reach out to clients after missed appointments. All 5 clinics provide referrals for both mental health services and intimate partner violence.

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<sup>&</sup>lt;sup>13</sup> Most clinics report more than one funding source

Table 12. Montgomery County clinic follow-up and referral mechanisms to contact Clients (n=5)

	# of Montgomery County clinics who have a follow-up or referral mechanism to contact clients
To remind clients about UPCOMING appointment	5
To remind clients about MISSED appointment	3
To contact patients who have been referred for further	2
services	
To provide Mental Health referrals	5
To provide Intimate Violence referrals	5

## F. Staffing and Training

Three of the clinics reported having an after-hour licensed on-call provider, and 2 of the clinics allow clients to choose their own provider. Four of the clinics perceived that they are adequately staffed. However, 3 of the clinics reported not having any staff trained in adolescent health and development, 2 clinics reported having between 1 and 3 staff members with adolescent health and development training.

Tables 13 and 14 identify the providers who provide health education and the number of full time staff at each clinic. As shown, various types of clinic staff provide health education, and the clinics have between 7 and 12 full time staff. Nurse practitioners and medical assistants make up a significant part of the staff with only one clinic having physicians as full time staff.

Table 13. The number of clinics who provide client/patient education by staff provider (n=5)

Types of staff	# of clinics who provide client/patient education
Physician	1
Physician Assistants and Nurse Practitioners	4
Nurses	1
Certified Health Educator	3
Counselors	2
Medical Assistant	1
Social Worker	1

Table 14. The number of Full Time Equivalents (FTEs) staff at each clinic

	Physician(s)	Physician Assistant(s)	Nurse Practitioner(s)	Nurse(s)	Nursing/Medical Assistant(s)	Administrative Staff	Total
Clinics	0	0	2	No	8	2	12
1 and				Response			
2							
Clinic	0	0	2	0	1	4	7
3							
Clinic	2	0	1	1	3	2	9
4							
Clinic 5	0	0	2	0	1	4	7

## G. Reporting

All clinics indicate that the person who identifies child abuse and the health care provider is the person required to report it to authorities. Other staff or management is also identified as responsible for reporting child abuse in several of the clinics (Table 15)

Table 15. Mandated reporter(s) in charge of reporting of child abuse in Montgomery County clinics  $(n=5)^{14}$ 

Mandated reporter	# of clinics
Director	3
Provider	5
Social Worker	3
Administrative Staff	2
Person who identifies the abuse	5

<sup>&</sup>lt;sup>14</sup> Most clinics report more than one mandated reporter

## H. Barriers to Providing Family Planning Services

All four clinics provided information regarding their perceptions of barriers to care from both a clinic perspective as well as their observations of barriers to care faced by women accessing or trying to access services. Given much of the data provided in the survey, the list of barriers cited is surely not surprising and is in line with other studies looking at barriers to care, particularly for low-income women.

Survey respondent's *perception* of barriers to providing family planning services in Montgomery County include:

- o Access
- Cost of facilities and supplies
- Too many patients and not enough providers
- Cost to both the provider and patient
- Low reimbursement levels

Survey respondent's *perception* to barriers women and men face in Montgomery County when trying to access reproductive health services include:

- o Access
- o Fear of being reported, (i.e. illegal status)
- Fear of judgment
- o Embarrassment
- Lack of knowledge of where to go
- Lack of insurance
- Lack of money for childcare
- Lack of money for transportation

#### V. Discussion & Recommendations

The findings in this report bring together County level data with clinic-specific characteristics and needs. Together, these findings shed light on areas of concern from both a provider perspective and that of low-income women residing in the County. According to the 2006 Guttmacher report, approximately 30,000 women are in need of publicly supported contraceptive services and supplies in Montgomery County, Maryland. <sup>15</sup> The data analysis from this web-based survey reveals that in 2007, Montgomery County family planning clinics serviced approximately 10,374 clients and 9,319 clients in 2008. In the first 6 months of 2009, Montgomery family planning clinics served approximately 6,638 clients. This indicates an increase in use of family planning clinics by over 40% compared with last year. It also suggests that only about 1/3 of women in Montgomery County in need of publicly supported reproductive health care are currently receiving it. There may be an even greater unmet need during this recession. Because of increasing capacity, greater numbers of women were served in the first six-months of 2009 than in earlier 6-month periods. Regardless, the need for reproductive health and family planning services among low-income women and teens far surpasses the services provided through public funding in Montgomery County. It is probable that some low-income women may be receiving family planning services through private medical providers or through publicly funded clinics outside of Montgomery County. However, it appears that substantial numbers of low-income women and teens are not accessing care.

Several recommendations have been put forth by the Reproductive Health, Education and Advocacy Work Group regarding publicly funded reproductive health services:

Recent national trends indicate that teen births are on the rise and that after 15 years of a downward trend, it is time to refocus attention to adolescent pregnancy and births. Montgomery County is home to a large number of Hispanic teens for whom the teen birth rate is disproportionately high—the County may want to consider convening a task force to take an in-depth look into the unique

<sup>&</sup>lt;sup>15</sup> Guttmacher Report, 2006

reproductive health and service needs of this population. Furthermore, the majority of staff at the clinics who responded to the survey do not have adequate training in adolescent health and development and this may be an immediate area of need that clinics can address. Although several small studies have been conducted around the County, there has not been a recent coordinated effort to bring together data to inform future policy and programmatic efforts by family planning clinics.

- Only one clinic in the survey identified education and outreach as a method of publicizing and marketing services. Outreach efforts into specific communities ought to be considered in order to meet the needs of low-income women. Reaching out to community organizations and faith based groups may be one way to provide broad-based health education as well as information on services available to women residing in Montgomery County. Furthermore, use of new social media and other web 2.0 technologies may assist clinics in reaching populations of need, particularly young people.
- Immigration status/legal status was cited as a barrier women may face when seeking care and needs to be addressed.
- Minority women disproportionately comprise the low-income population in Montgomery County. Reproductive health services must have the resources to provide culturally competent services to meet this growing and large demand.
- Efforts should continue to expand capacity and access by increasing the number of family planning sites and broadening their geographic reach. Findings from a recent Guttmacher Institute report illustrated how robust family planning waiver programs along with Title X subsidies affect availability of family planning services. The County may consider advocacy at the state level that would lead to a more expansive family planning waiver program modeled after New York, California, Washington, Oregon, Wisconsin or one of the other states with healthier waiver programs.
- Finally, this report may be viewed as a first step in gathering pertinent information on barriers to reproductive health care for women in Montgomery County Maryland. The work group recommends further study and assessment to

identify other avenues by which Montgomery County women obtain family planning services since the need is substantial. Furthermore, it should be noted that in FY09, as a result of the scarcity of family planning services in the county, the Montgomery County Primary Care Coalition added several oral contraceptive formulations and other contraceptive methods to its drug formulary. Initial results from publicly funded primary care clinics have confirmed that some of them provide limited family planning services to their patients. The Montgomery County Reproductive Health, Education and Advocacy Work Group can continue to collaborate with the Jacobs Institute of Women's Health at The George Washington University School of Public Health and Health Services to query and describe the Montgomery Cares clinics and other points of care that provide both primary care and family planning services to more clearly define the unmet need in Montgomery County, and to consider new strategies and recommendations to address this need.

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<sup>&</sup>lt;sup>16</sup> Personal communication, Carol Garvey, 2009

#### References

- Center for Maternal and Child Health Maryland Department of Health and Mental Health Hygiene, Vital Statistics Administration. (2007). *Maryland PRAMS (Pregnancy Risk Assessment Monitoring System) focus on unintended pregnancy among Maryland women given birth*, 2001-2005 Retrieved from <a href="https://www.fha.state.md.us/mch/html/prams/">www.fha.state.md.us/mch/html/prams/</a>
- Montgomery County Council (June 29, 2009). "Councilmember Duchy Trachtenberg announces work group to address unmet needs concerning reproductive health". Press release. Retrieved August 25, 2009.
- Garvey, C. (December 3, 2009). In Email correspondence with Marquita Campbell (Ed.), *Publicly funded primary care clinics that provide family planning services*
- Garvey, C. (November 18, 2009). In Email/Phone correspondence with Marquita Campbell (Ed.), *Montgomery County and Planned Parenthood agreement of 1995*
- Guttmacher Institute. (2006). *Contraceptive needs and services*. Retrieved August 25, 2009, from <a href="https://www.guttmacher.org/pubs/win/index.html">www.guttmacher.org/pubs/win/index.html</a>
- Hamilton BE, Martin JA, Ventura SJ., & National Center for Health Statistics. (2009). Births: Preliminary data for 2007. [QuickStats: Birth Rates for Teens Aged 15--19 Years, by Age Group --- United States, 1985--2007] *National Vital Statistics Reports*, *57*(12), December 5, 2009. Retrieved from <a href="http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57\_12.pdf">http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57\_12.pdf</a>.
- Maryland Vital Statistics Administration. (2007). *Reports and vital statistics, birth and death data by jurisdiction, 2007* Retrieved from <a href="http://vsa.maryland.gov/html/reports.cfm">http://vsa.maryland.gov/html/reports.cfm</a>
- Montgomery County Commission for Women. (2007). Report on the status of women in montgomery county Retrieved from <a href="http://www.montgomerycountymd.gov/content/CFW/Publications/pdfs/cfwswimreport6-7-2007.pdf">http://www.montgomerycountymd.gov/content/CFW/Publications/pdfs/cfwswimreport6-7-2007.pdf</a>